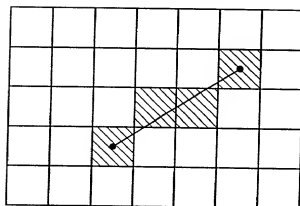
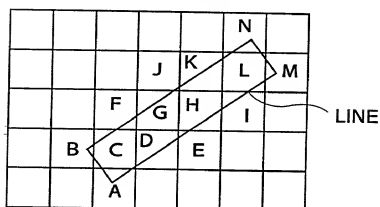


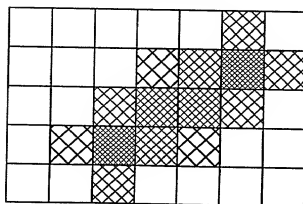
**FIG.1**  
**PRIOR ART**



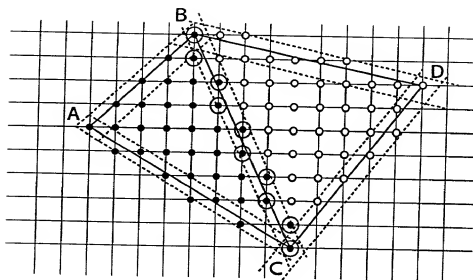
**FIG.2A**  
**PRIOR ART**



**FIG.2B**  
**PRIOR ART**

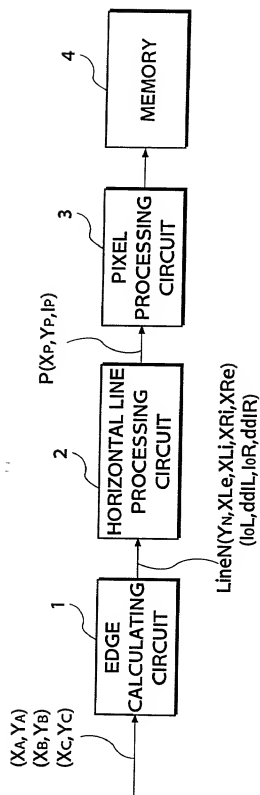


**FIG.3**  
**PRIOR ART**

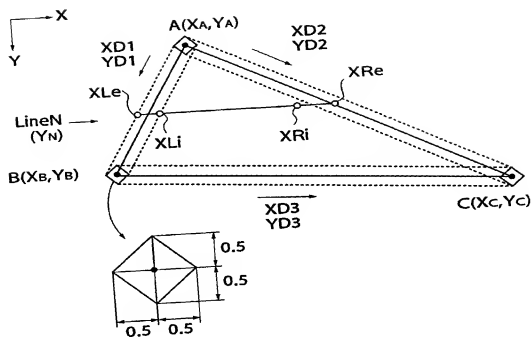


- :PIXELS WHEN TRIANGLE ABC IS DRAWN
- :PIXELS WHEN TRIANGLE BCD IS DRAWN

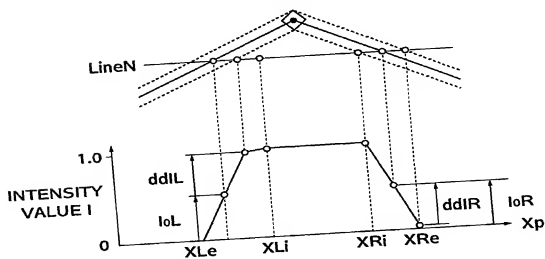
**FIG.4**



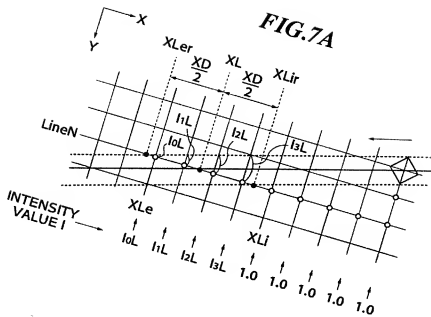
**FIG.5**



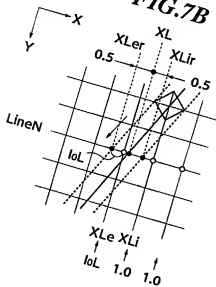
**FIG.6**



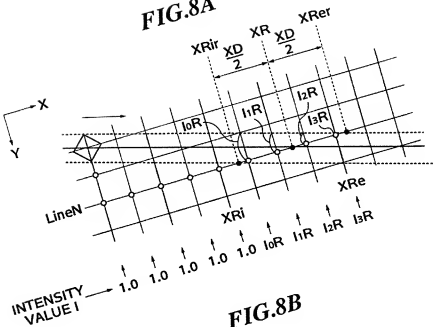
**FIG. 7A**



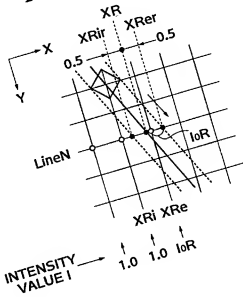
**FIG. 7B**



**FIG.8A**



**FIG.8B**



**FIG.9**

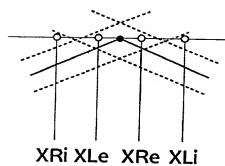


FIG.10

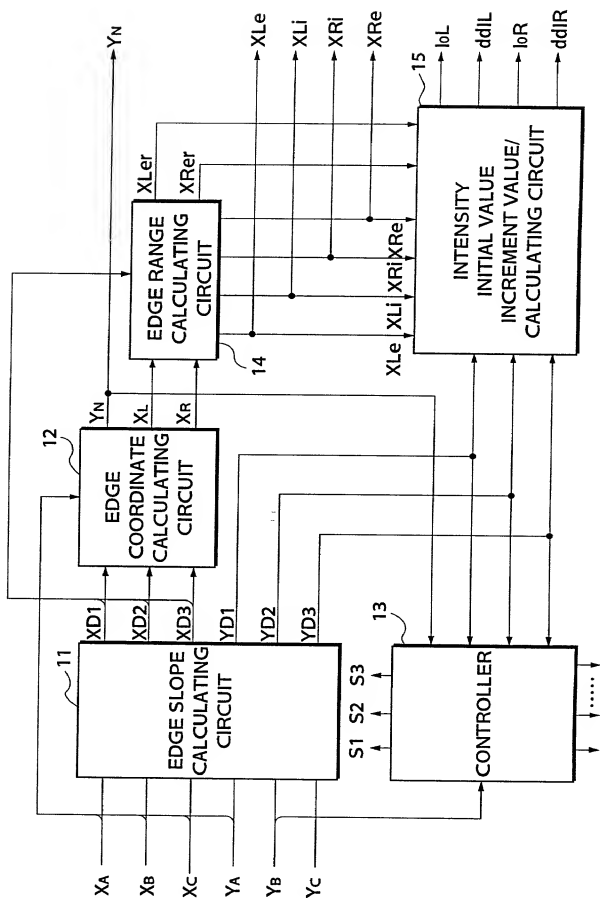




FIG.11

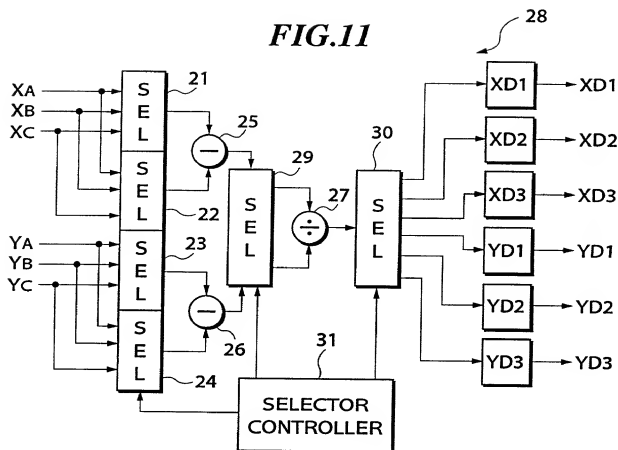


FIG.12

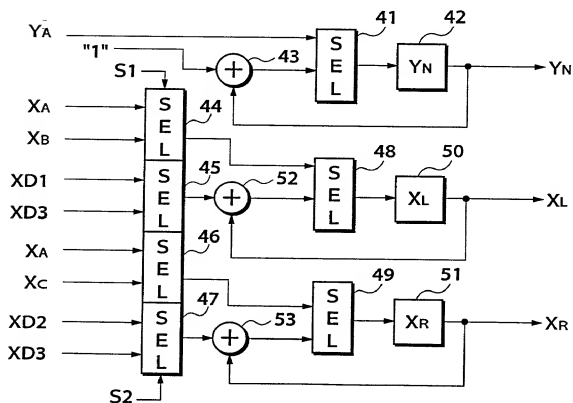
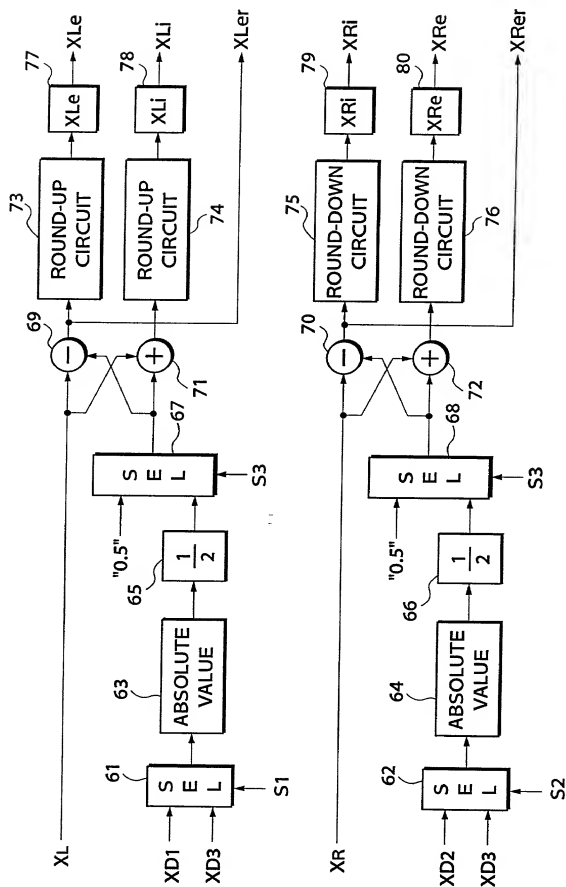
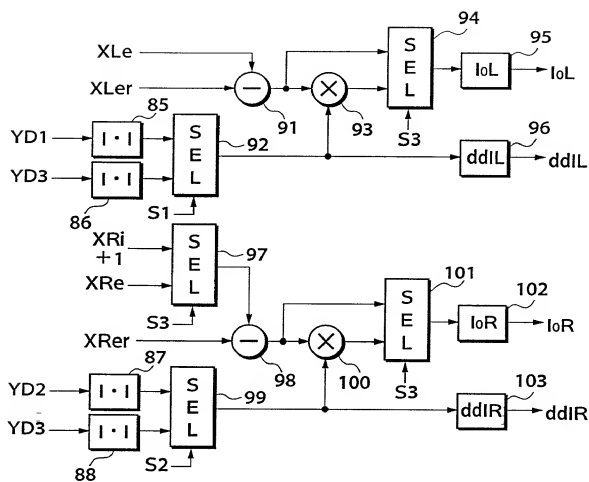


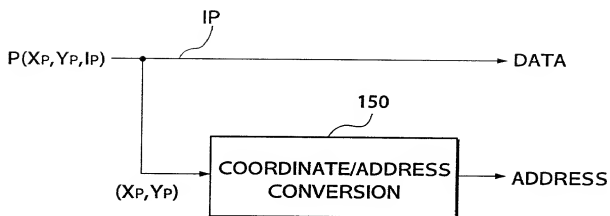
FIG.13



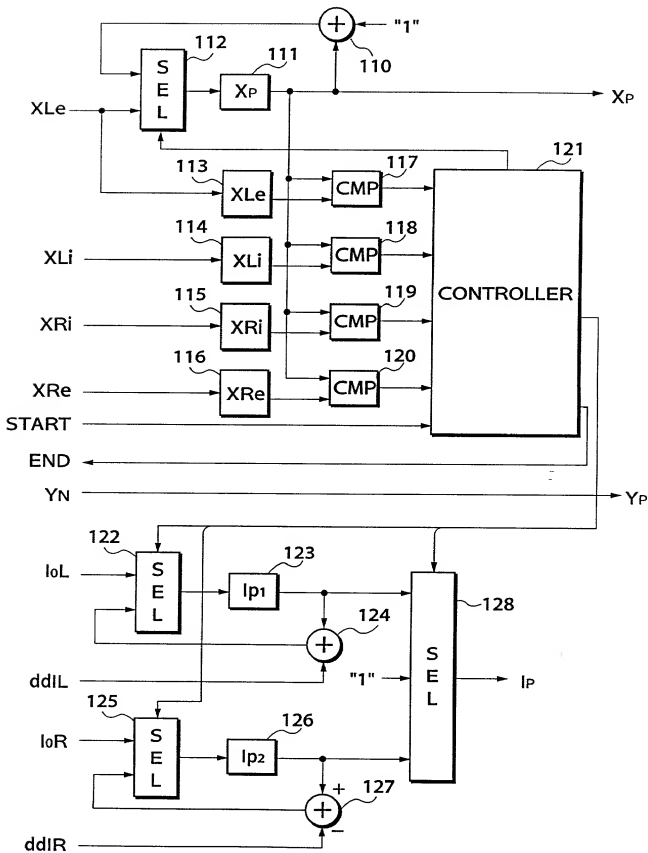
**FIG.14**



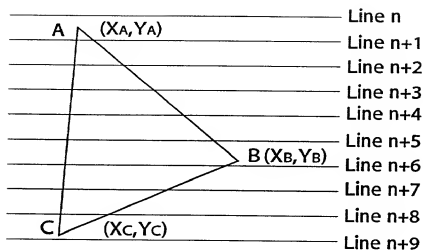
**FIG.15A**



**FIG.15B**



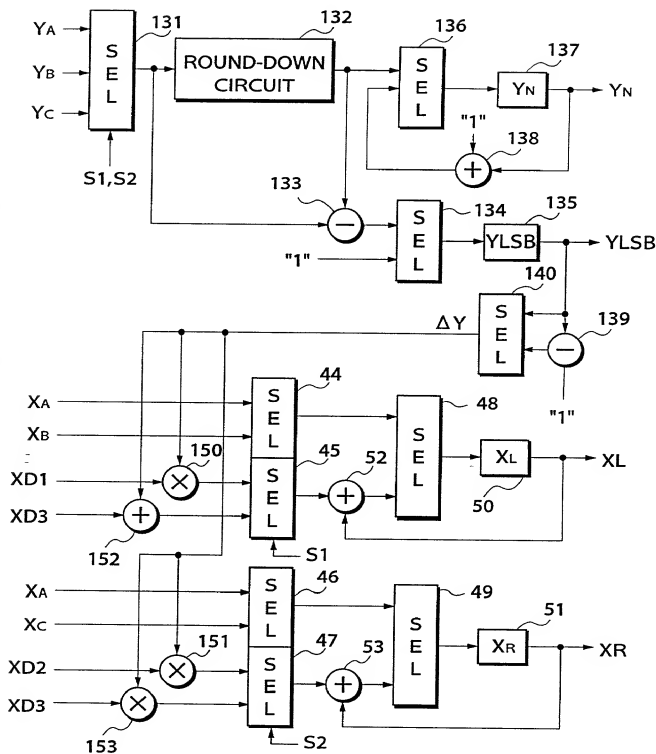
**FIG.16**



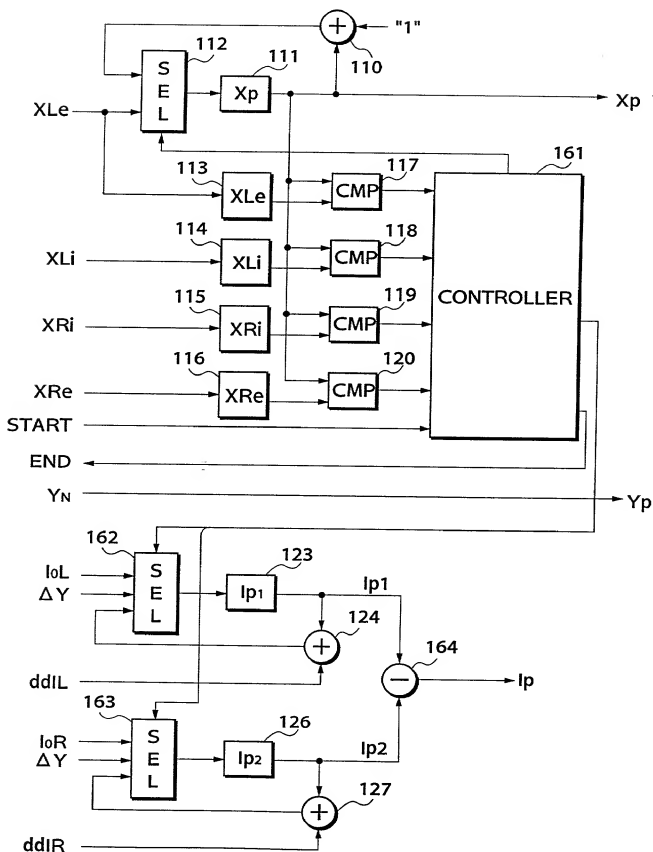
**FIG.17**

PATTERN A	PATTERN B	PATTERN C

FIG.18



**FIG.19**

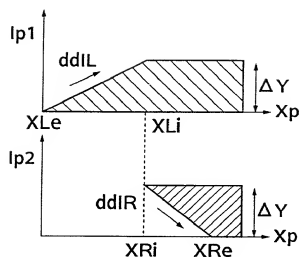




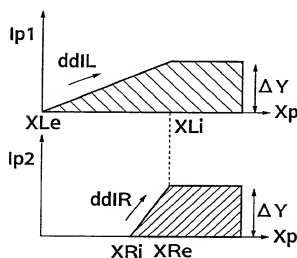
**FIG.20**

PATTERN D	PATTERN E	PATTERN F

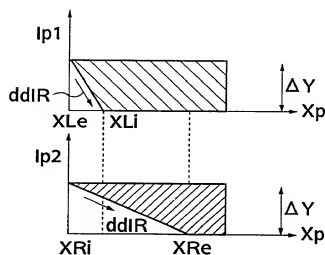
**FIG.21A**



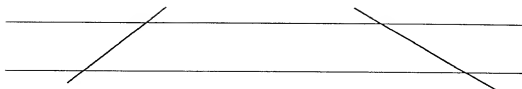
**FIG.21B**



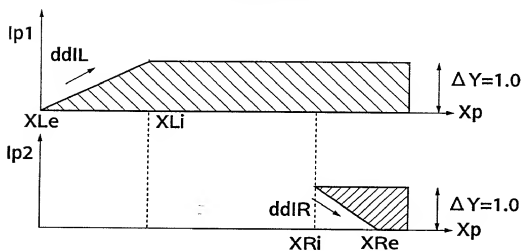
**FIG.21C**



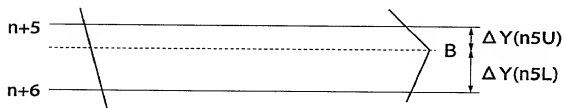
**FIG.22A**



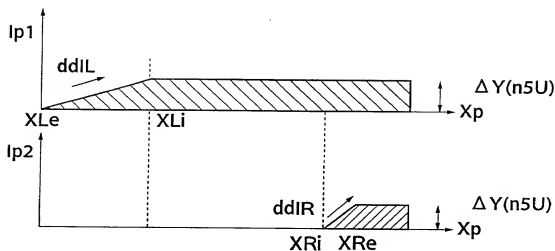
**FIG.22B**



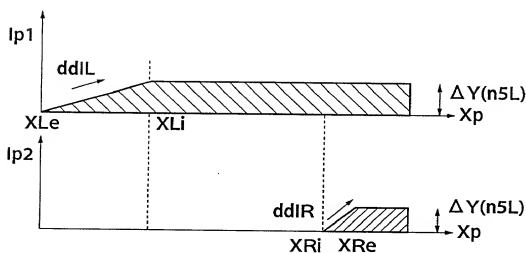
**FIG.23**



**FIG.24A**



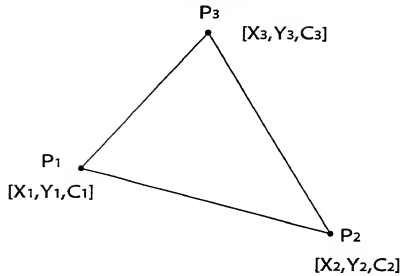
**FIG.24B**



**FIG.25**

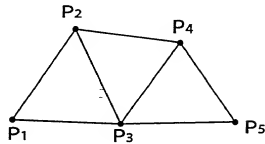
PATTERN G	PATTERN H	PATTERN I

**FIG.26**



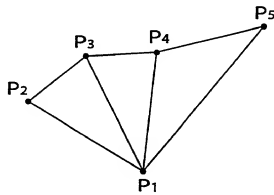
**FIG.27A**

- 1.Move [X1,Y1,C1]
- 2.Move [X2,Y2,C2]
- 3.Triangle\_Fill [X3,Y3,C3]
- 4.Triangle\_Fill [X4,Y4,C4]
- 5.Triangle\_Fill [X5,Y5,C5]

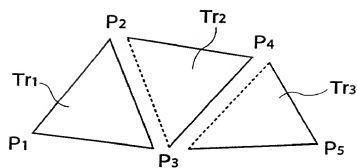


**FIG.27B**

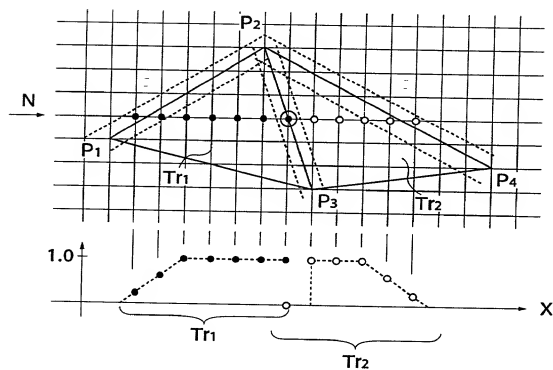
- 1.Move [X1,Y1,C1]
- 2.Move [X2,Y2,C2]
- 3.Triangle\_Fill [X3,Y3,C3]
- 4.Triangle\_Fill [X4,Y4,C4]
- 5.Triangle\_Fill [X5,Y5,C5]



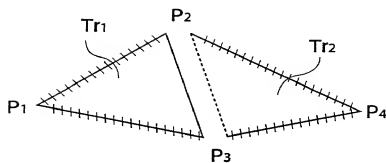
**FIG.28**



**FIG.29**



**FIG.30**



EDGE WHICH IS SUBJECTED TO  
INTENSITY PROCESSING



EDGE WHICH IS DRAWN BUT NOT SUBJECTED  
TO INTENSITY PROCESSING



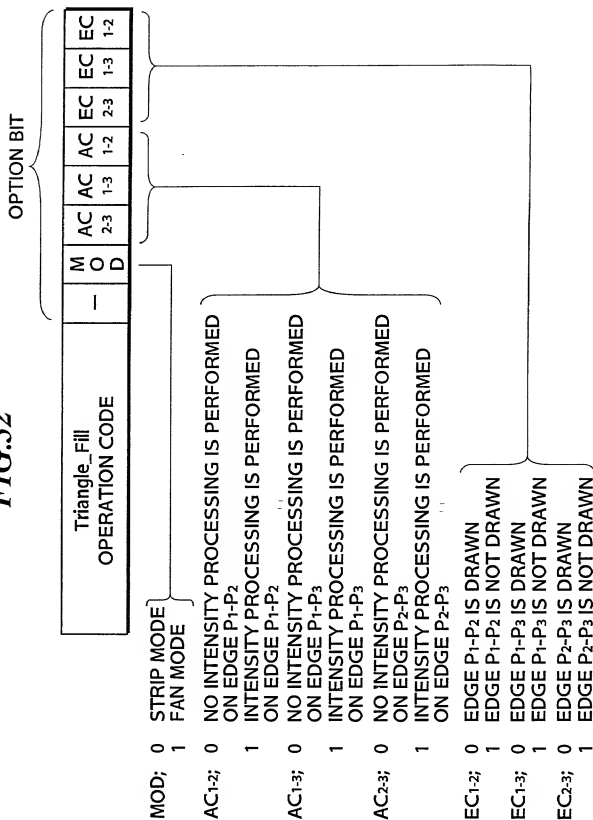
EDGE WHICH IS NOT DRAWN

**FIG.31**

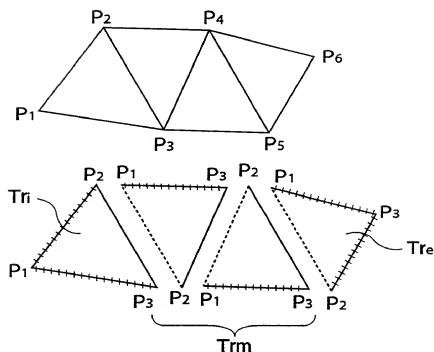
Move [X <sub>1</sub> ,Y <sub>1</sub> ,C <sub>1</sub> ]	OPERATION CODE	OPTION BIT
	X <sub>1</sub> COORDINATE	
	Y <sub>1</sub> COORDINATE	
	C <sub>1</sub> DATA	
Move [X <sub>2</sub> ,Y <sub>2</sub> ,C <sub>2</sub> ]	OPERATION CODE	OPTION BIT
	X <sub>2</sub> COORDINATE	
	Y <sub>2</sub> COORDINATE	
	C <sub>2</sub> DATA	
Triangle_Fill [X <sub>3</sub> ,Y <sub>3</sub> ,C <sub>3</sub> ]	OPERATION CODE	OPTION BIT
	X <sub>3</sub> COORDINATE	
	Y <sub>3</sub> COORDINATE	
	C <sub>3</sub> DATA	



FIG.32



**FIG.33A**

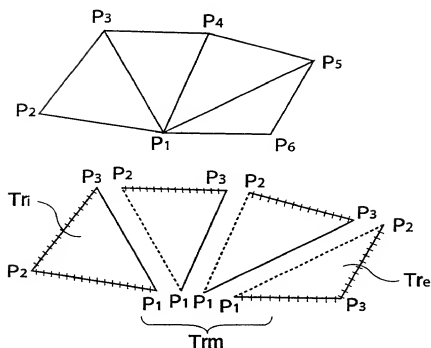


+++++	EDGE WHICH IS SUBJECTED TO INTENSITY PROCESSING
—	EDGE WHICH IS DRAWN BUT NOT SUBJECTED TO INTENSITY PROCESSING
---	EDGE WHICH IS NOT DRAWN

**FIG.33B**

OPTION BIT	M O D	AC 2-3	AC 1-3	AC 1-2	EC 2-3	EC 1-3	EC 1-2
Tri	0	0	1	1	0	0	0
Trm	0	0	1	0	0	0	1
Tre	0	1	1	0	0	0	1

**FIG.34A**



+++++	EDGE WHICH IS SUBJECTED TO INTENSITY PROCESSING
—	EDGE WHICH IS DRAWN BUT NOT SUBJECTED TO INTENSITY PROCESSING
---	EDGE WHICH IS NOT DRAWN

**FIG.34B**

OPTION BIT	M O D	AC 2-3	AC 1-3	AC 1-2	EC 2-3	EC 1-3	EC 1-2
Tri	0	1	0	1	0	0	0
Tm	1	1	0	0	0	0	1
Tre	1	1	1	0	0	0	1

FIG.35

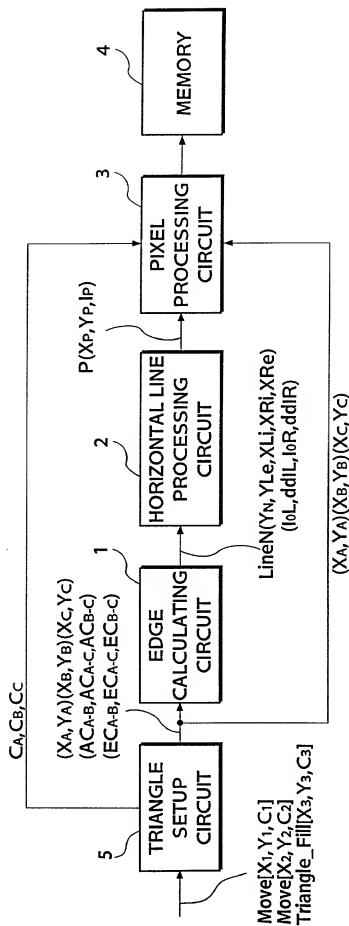


FIG.36

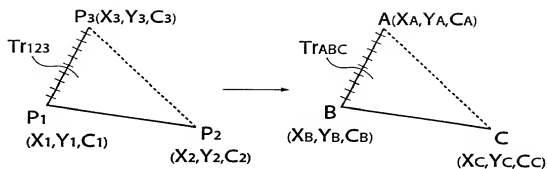


FIG.37

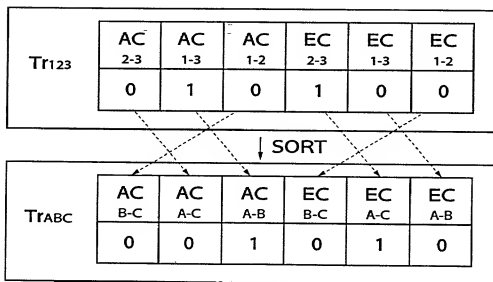
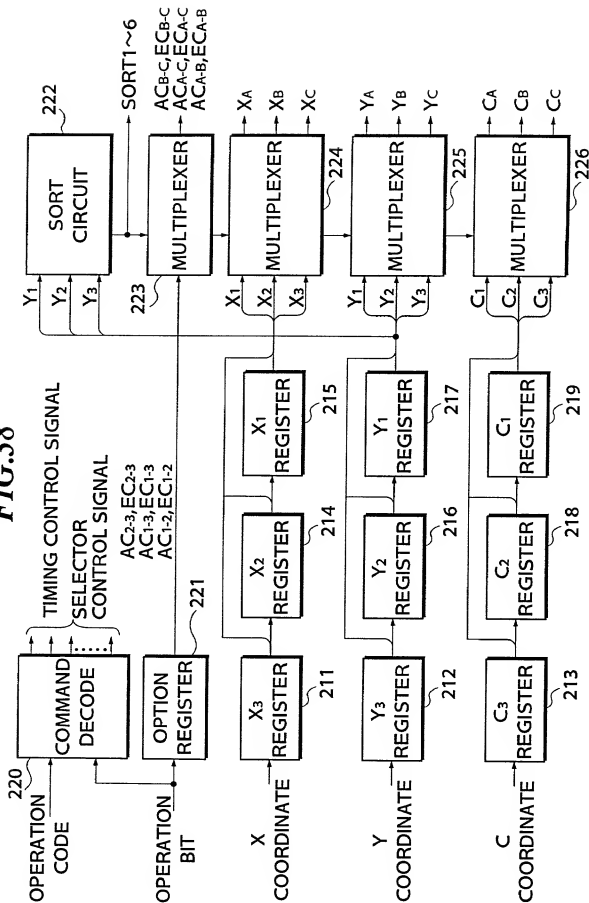
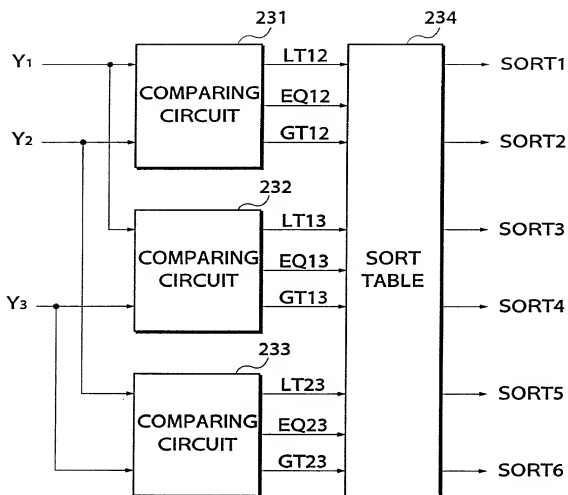


FIG. 38



**FIG.39**



**FIG.40**

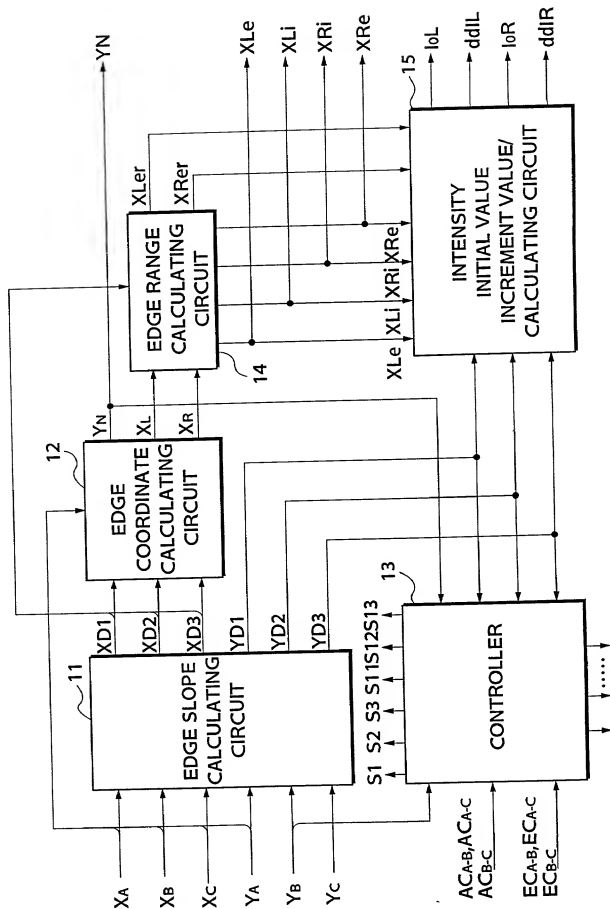
Y <sub>1</sub> -Y <sub>2</sub>	Y <sub>2</sub> -Y <sub>3</sub>	Y <sub>1</sub> -Y <sub>3</sub>	MULTIPLEXER CONTROL	FORM OF TRIANGLE
=	=	=	SORT1	
=	=	<	—	
=	=	>	—	
=	<	=	—	
=	<	<	SORT1	
=	<	>	—	
=	>	=	—	
=	>	<	—	
=	>	>	SORT5	
<	=	=	—	
<	=	<	SORT1	
<	=	>	—	
<	<	=	—	
<	<	<	SORT1	
<	<	>	—	
<	>	=	SORT2	
<	>	<	SORT2	
<	>	>	SORT5	
>	=	=	—	
>	=	<	—	
>	=	>	SORT4	
>	<	=	SORT3	
>	<	<	SORT3	
>	<	>	SORT4	
>	>	=	—	
>	>	<	—	
>	>	>	SORT6	



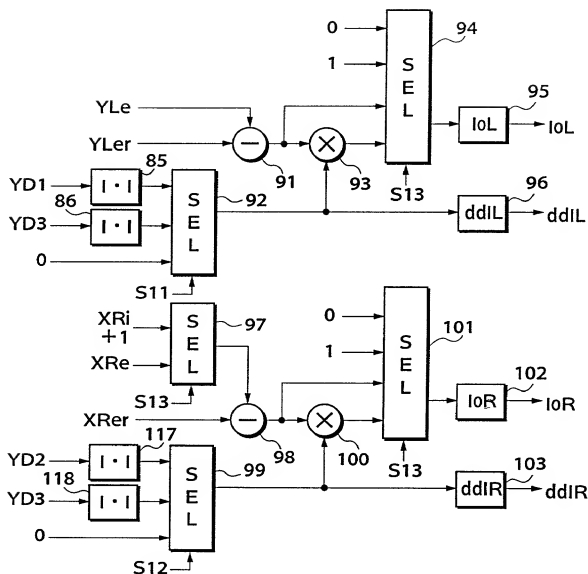
**FIG.41**

	MULTIPLEXER CONTROL					
<b>SORT1</b>	A=P <sub>1</sub>	B=P <sub>2</sub>	C=P <sub>3</sub>	A-B=1-2	A-C=1-3	B-C=2-3
<b>SORT2</b>	A=P <sub>1</sub>	B=P <sub>3</sub>	C=P <sub>2</sub>	A-B=1-3	A-C=1-2	B-C=2-3
<b>SORT3</b>	A=P <sub>2</sub>	B=P <sub>1</sub>	C=P <sub>3</sub>	A-B=1-2	A-C=2-3	B-C=1-3
<b>SORT4</b>	A=P <sub>2</sub>	B=P <sub>3</sub>	C=P <sub>1</sub>	A-B=2-3	A-C=1-2	B-C=1-3
<b>SORT5</b>	A=P <sub>3</sub>	B=P <sub>1</sub>	C=P <sub>2</sub>	A-B=1-3	A-C=2-3	B-C=1-2
<b>SORT6</b>	A=P <sub>3</sub>	B=P <sub>2</sub>	C=P <sub>1</sub>	A-B=2-3	A-C=1-3	B-C=1-2

FIG.42



**FIG.43**



**FIG.44**

